ITFT-PBG104US PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No: To be assigned

Applicants: Mark Dennis Aler, James Jin-Hao Gu, and Karen Jo Sanchez

Filed: Herewith

Title: FLUID HEAT EXCHANGE CONTROL SYSTEM

TC/A.U.: To be assigned Examiner: To be assigned

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (R&P) submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

ITFT-PBG104US PATENT

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,

Robert P. Seitter Christopher M. Spletzer Attorneys for Applicants

RPS/CMS/Icf

Enclosures: PTO Form 1449

(23) References Transmittal Form

Dated: August 20, 2003

P.O. Box 980

Valley Forge, PA 19482-0980

(610) 407-0700

EXPRESS MAIL Mailing Label Number: EK 509747261 US

Date of Deposit: August 20, 2003

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kathleen Libby

LCF_I:\ITFT\PBG104US\IDS.DOC

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | Substitute for Form 1449/PTO | | C mplete if Known |
|---|-----------------------------------|----------------------|-------------------|
| | | Application Number | To Be Assigned |
| | INFORMATION DISCLOSURE | Filing Date | Herewith |
| | STATEMENT BY APPLICANT | First Named Inventor | Mark Dennis Aler |
| | (Use as many sheets as necessary) | Art Unit | To Be Assigned |
| | | Examiner Name | To Be Assigned |
| _ | SHEET 1 of 2 | Attorney Docket No. | ITFT-PBG104US |

| | | | U.S. PATENT D | OCUMENTS | |
|-----------------------|-----------|-------------------------------------------------------------|----------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| Examiner Initials* | Cite | Document Number Number - Kind Code ^{2 (if known)} | Publication Date (MM-DD-YYYY) | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| muais | NO. | US-6,390,780 B1 | 05/21/2002 | Batchelder et al. | entire document |
| | | US-6,311,504 B1 | 11/06/2001 | Yamazaki et al. | entire document |
| | | US-6,293,757 B1 | 09/25, 2001 | Oda et al. | entire document |
| | - | US-6,220,043 B1 | 04/24/2001 | Chaney, Jr. et al. | entire document |
| | | US-6,212,894 B1 | 04/10/2001 | Brown et al. | entire document |
| | - | US-6,176,306 B1 | 01/23/2001 | Gault | entire document |
| | - | US-6,018,959 | 02/01/2000 | Schmidt | entire document |
| | | US-5,910,158 | 06/08/1999 | Park | entire document |
| | | US-5,707,221 | 01/13/1998 | Wittrisch | entire document |
| | <u> </u> | US-5,626,287 | 05/06/1997 | Krause et al. | entire document |
| | | US-5,605,053 | 02/25/1997 | Otori | entire document |
| | | US-5,551,249 | 09/03/1996 | Van Steenburgh, Jr. | entire document |
| | | US-5,491,982 | 02/20/1996 | Gowens | entire document |
| | | US-5,448,895 | 09/12/1995 | Coellner et al. | entire document |
| | | US-5,248,084 | 09/28/1993 | Latarius | entire document |
| | | US-5,190,215 | 03/02/1993 | Habermehl, Jr. et al. | entire document |
| | | US-5,170,936 | 12/15/1992 | Kubo et al. | entire document |
| | | US-5,090,872 | 02/25/1992 | Kuwabara et al. | entire document |
| | | US-5,056,712 | 10/15/1991 | Enck | entire document |
| | | US-4,603,556 | 08/05/1986 | Suefuji et al. | entire document |

| | | FOREIGN PA | TENT DOCUMEN | TS · | | |
|-----------------------|--------------|--------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------|----------------|
| Examiner Initials* | Cite No.1 | Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If known) | Publication Date (MM-DD-YYYY) | Name of Patentee or Applicant of Cited Document | Pages, Columns, Unes, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | EP 1113231 A2 | 07/04/2001 | Walter E. Bujak | entire document | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| Examiner | Date | i | |
|-----------|------------|---|--|
| Signature | Considered | l | |
| | | - | |

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).
²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.
³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the senal number of the patent document.

Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| Substitute for Form 1449/PTO | | C mplete if Kn wn |
|-----------------------------------|----------------------|-------------------|
| | Application Number | To Be Assigned |
| INFORMATION DISCLOSURE | Filing Date | Herewith |
| STATEMENT BY APPLICANT | First Named Inventor | Mark Dennis Aler |
| (Use as many sheets as necessary) | Art Unit | To Be Assigned |
| | Examiner Name | To Be Assigned |
| SHEET 2 of 2 | Attorney Docket No. | ITFT-PBG104US |

| | | - | U.S. PATENT | OCUMENTS | |
|-----------|----------|--------------------------------------------|----------------------------------|-----------------------------|---------------------------------------------------------------------------------|
| Examiner | Cite | Document Number | Publication Date (MM-DD-YYYY) | Name of Patentee or | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| Initials* | No.1 | Number - Kind Code ^{2 (if known)} | | Applicant of Cited Document | |
| | | US- 4,492,091 | 01/08/1985 | Whitwell et al. | entire document |
| | | US- 4,483,152 | 11/20/1984 | Bitondo | entire document |
| | | US- | | | |
| | 1 | US- | | | |
| | 1 | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | 1 | US- | | | |
| | | US- | | | |

| | | FOREIGN PAT | TENT DOCUMEN | TS | and the second s | , |
|---------------------------------------|--------------|-------------------------------------------------------------------------------------|----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| | | Foreign Patent Document | Dublication Date | Name of Patentee or | Pages, Columns, Lines, Where Relevant Passages or Relevant | |
| Examiner Initials* | Cite No.1 | Country Code ³ - Number ⁴ - Kind Code ⁵ (If known) | Publication Date (MM-DD-YYYY) | Applicant of Cited Document | Figures Appear | T⁵ |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| · · · · · · · · · · · · · · · · · · · | | | | | | |
| | | | | | | |
| | | | | | | |
| Examiner | | | | Date | | |
| Signature | | | | Considered | | _ |

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²See Kind Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04.

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND T:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.